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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,942	05/20/2006	Makoto KUMATORIYA	38195.79	9417
54067 7590 06/29/2009 OKADA			EXAMINER	
	& BENNETT, LLP	PEETS, MONIQUE R		
1800 Alexander Bell Drive SUITE 200 Reston, VA 20191			ART UNIT	PAPER NUMBER
		1796		
			NOTIFICATION DATE	DELIVERY MODE
			06/29/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JKEATING@KBIPLAW.COM uspto@kbiplaw.com

	Application No.	Applicant(s)				
Office Action Commons	10/595,942	KUMATORIYA ET AL.				
Office Action Summary	Examiner	Art Unit				
	MONIQUE PEETS	1796				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
	-· action is non-final.					
<i>,</i> —		secution as to the merits is				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
		3 3. 3 . 2 . 3.				
Disposition of Claims						
4) Claim(s) <u>4-6</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) <u>4-6</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the o	- · · ·	* /				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5/9/07,3/25/08.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te				

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DETAILED ACTION

1. Claims 4-6 are pending, wherein claims 4-6 are drawn to a lens material.

Claim Analysis

2. Summary of Claim 4;

A	A lens material comprising				
i	Lithium tantalite including a lithium oxide and a tantalum oxide; where	in a molar			
	composition ratio of the lithium oxide and the tantalum oxide in the lith	ium tantalite			
	is in a range of 0.975 to 0.982				
ii	A birefringence of the lithium tantalite is in a range of -0.0005 to 0.000)5			

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 4-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Gopalan et al. (6,211,999).

Gopalan et al. discloses a lens material comprising a lithium tantalate single-crystal that requires a low voltage and a photo-functional device comprising the crystal. The crystal has a molar fraction of $\text{Li}_2\text{O}/(\text{Ta}_2\text{O}_5 + \text{Li}_2\text{O})$ between 0.492 and 0.50.

The instant claims teach a molar composition. When the molar fraction is converted into molar composition of $(Ta_2O_5 + Li_2O)$, the range of $(Ta_2O_5 + Li_2O)$ is between 0.967 and 1. wherein the birefringence of the lithium tantalate is 0 [abstract]. Gopalan is silent on the propertie of birefringence, however the composition taught by Gopalan is the same as the instant claims, therefore the properties of the birefringence is inherent to the composition.

Referring to claim 5 and 6; Gopalan discloses a photo-functional comprising a lithium tantalate single-crystal [claim 3].

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MONIQUE PEETS whose telephone number is (571)270-7351. The examiner can normally be reached on Monday thru Friday, 8:00am to 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MRP

/Harold Y Pyon/ Supervisory Patent Examiner, Art Unit 1796